

Siloxane oligomerCDRR8
(2.0 μ m, nylon 6-6)

Figure 3(a)

Before
alignment

After
alignment



Figure 3(b)

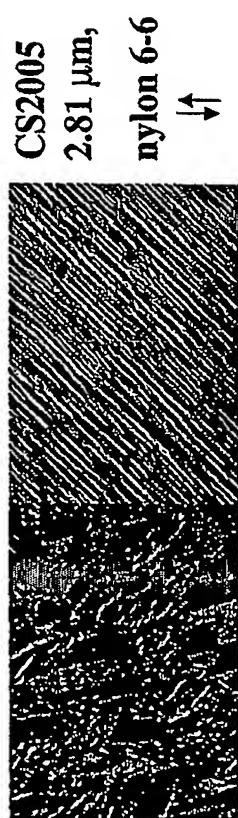


Diagram illustrating the optical states and tilt angle:

Direction of rubbing: $\uparrow \downarrow$

2θ : The effective tilt angle between the rubbing direction and the optical axis.

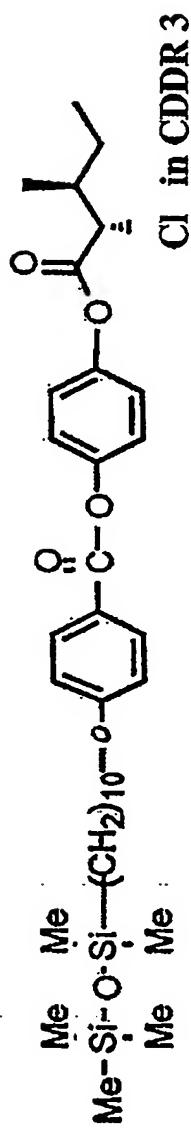
Optical state 1: The lower optical state.

Optical state 2: The upper optical state.

CS2005
2.81 μ m,
nylon 6-6
 $\uparrow \downarrow$

θ is the effective tilt angle

Fields of approximately 10 V/ μ m
and freq. of 1-10 kHz



Cl in CDDR3
F in CDDR8

mp = 4.04 °C; Iso 52.68 Sc* -19.71 °C K

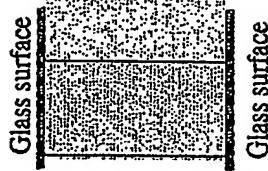


Figure 4(a)

Figure 4(b)

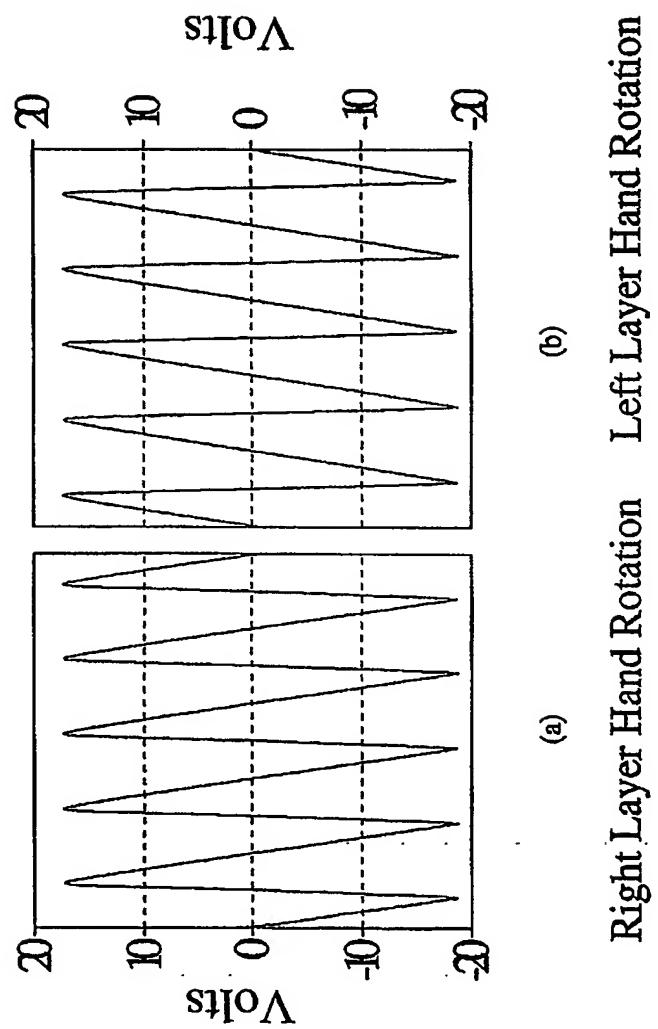


Figure 5

